

SECTION 1. Product and company identification

Chemical type	: Mixture
Trade name	: Mastertek 4205459SNA 50x25 kg CP3 EX
Product code	: 100562
Use of the substance/mixture	: Flame retardant Masterbatch
Company identification	: Campine NV Nijverheidsstraat 2 2340 - Belgium T +32(0)14 60 15 11 regulations@campine.com - www.campine.com
Emergency number	: Within Europe https://poisoncentres.echa.europa.eu/home . Within USA and Canada: Chemtrec 1-800-262-8200. For emergency calls only.

SECTION: 2. Hazards identification

2.1. Emergency Overview

Physical state	: Solid
Appearance	: Granules
Color	: Natural
Odor	: characteristic

antimony trioxide (1309-64-4)

IARC group	2B - Possibly carcinogenic to humans
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2.2. OSHA Regulatory Status

No additional information available

2.3. Potential health effects

No additional information available

2.4. Potential environmental effects

Adverse physicochemical, human health and environmental effects	: The ingredients are encapsulated in a resin and are therefore unlikely to cause any contamination.
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SECTION: 3. Composition/Information on ingredients

Name	CAS-No.	%
antimony trioxide	1309-64-4	2.5 – 10

SECTION: 4. First aid measures

4.1. First aid procedures

First-aid measures general	: No special measures required.
First-aid measures after inhalation	: Move the affected person to the fresh air. Seek medical attention.
First-aid measures after skin contact	: In case of contact with the skin : Wash with plenty of soap and water. After contact with molten product, cool skin area rapidly with cold water. Do not pull solidified product away from the skin. Seek medical advice.
First-aid measures after eye contact	: Rinse with water while holding the eyes wide open. Seek medical advice.
First-aid measures after ingestion	: Call in a physician immediately and show him the Safety Data Sheet.

4.2. Note to physicians

No additional information available

SECTION: 5. Firefighting measures

5.1. Flammable properties

No additional information available

5.1. Extinguishing media

Suitable extinguishing media	: Water. Carbon dioxide (CO2). Foam.
Unsuitable extinguishing media	: Strong water jet.

5.3. Protection for firefighters

Protection during firefighting	: Self-contained breathing apparatus.
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SECTION: 6. Accidental release measures

6.1. Personal precautions

6.1.1. For non-emergency personnel

- Protective equipment : See: Exposure controls and personal protection.
- Emergency procedures : Ensure adequate ventilation. Keep unprotected persons away. Avoid contact with skin, eyes, and clothing - wear suitable protective equipment (see section 8). Avoid breathing in dust - wear suitable protective equipment (see section 8). High risk of slipping if leaked/spilled product is not cleaned up.

6.1.2. For emergency responders

- Protective equipment : See: Exposure controls and personal protection.
- Emergency procedures : Ensure adequate ventilation. Keep unprotected persons away. Avoid contact with skin, eyes, and clothing - wear suitable protective equipment (see section 8). Avoid breathing in dust - wear suitable protective equipment (see section 8). High risk of slipping if leaked/spilled product is not cleaned up.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods for containment

No additional information available

6.4. Methods for clean up

- Methods for cleaning up : Vacuum or sweep all spilled material without creating dust. When picked up, treat material as described in 6.2 and 13.

6.5. Other information

Reference to other sections (8, 13).

6.6. Spill or leak statements by type of chemical

No additional information available

SECTION: 7. Handling and storage

7.1. Handling

- Precautions for safe handling : Ensure good general ventilation in the workplace. No technical protective measures required.

7.2. Storage

- Storage conditions : Store in well ventilated, dry area.
- Special rules on packaging : Do not store in open, inadequate, mislabeled packaging.

SECTION: 8. Exposure controls/personal protection

8.1. Exposure guidelines

antimony trioxide (1309-64-4)		
NIOSH	NIOSH REL (TWA)	0.5 mg/m ³ as Sb
OSHA	OSHA PEL (TWA) [1]	0.5 mg/m ³

8.2. Engineering controls

No additional information available

8.3. Personal protective equipment (PPE)

- Hand protection : Wear gloves. Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements. EN388:1994 is recommended.
- Eye protection : Wear safety glasses. NBN EN 166:2002 is recommended.
- Skin and body protection : Wear overalls and closed footwear.
- Respiratory protection : Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure. EN149:2001, FFP3(S) is recommended.
- Environmental exposure controls : Avoid release to the environment.
- Consumer exposure controls : Wash hands before breaks and after work. Observe the usual precautions for handling chemicals.

SECTION: 9. Physical and chemical properties

- Physical state : Solid
- Appearance : Granules.
- Color : Natural.
- Odor : characteristic.
- Odor threshold : No data available
- pH : No data available

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Melting point	: > 100 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 1.9 g/cm³
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: > 320 °C
Viscosity	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

No additional information available

SECTION: 10. Stability and reactivity

10.1. Chemical stability

No additional information available

10.2. Conditions to avoid

No hazardous reactions when stored and handled according to prescribed instructions.

10.3. Incompatible materials

No additional information available

10.4. Hazardous decomposition products

No decomposition if used as intended.

10.5. Possibility of hazardous reactions

No additional information available

SECTION: 11. Toxicological information

Information on toxicological effects

Acute toxicity : Not classified

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LD50 oral rat	> 2000 mg/kg
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antimony trioxide (1309-64-4)

LD50 oral rat	> 20000 mg/kg (Fleming, 1938; Gross et al, 1955; Weil et al, 1987)
LD50 dermal rabbit	> 8300 mg/kg (Gross et al, 1955)
LC50 inhalation rat (mg/l)	5200 mg/m³ (Leuschner, 2006)
ATE CLP (vapors)	5.2 mg/l/4h
ATE CLP (dust, mist)	5.2 mg/l/4h

Skin corrosion/irritation	: Not classified (Non-irritant)
Serious eye damage/irritation	: Not classified (Non-irritant)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

antimony trioxide (1309-64-4)

NOAEL (oral, rat, 90 days)	1686 mg/kg body weight/day (Hext et al, 1999)
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Aspiration hazard : Not classified

SECTION: 12. Ecological information

12.1. Ecotoxicity

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antimony trioxide (1309-64-4)	
LC50 - Fish [1]	< 6.9 mg/l Marine fish [Pagrus major], 96h (Takayanagi, 2001)
LC50 - Other aquatic organisms [1]	1.77 mg/l Invertebrates [Chlorohydra viridissimus], 96h (TAI, 1990)
LC50 - Fish [2]	14.4 mg/l Freshwater fish [Pimephales promelas], 96h (Brooke et al, 1986)
NOEC (chronic)	1.74 mg/l Invertebrates [Daphnia magna], 21d (Heijerick et al, 2003)
ErC50 algae	> 36.6 mg/l [Pseudokirchneriella subcapitata], 72h (Heijerick et al, 2004)
ErC50 other aquatic plants	> 25.5 mg/l [Lemna minor], 4d (Brooke et al, 1986)

12.2. Persistence and degradability

antimony trioxide (1309-64-4)	
Persistence and degradability	Whereas antimony formally meets the criterion for persistence based on the absence of any degradation, this criterion is considered not to be applicable to inorganic elements. In addition, under conditions of a standard EUSES lake and the median partition coefficient for suspended matter, antimony meets the criteria for rapid removal from the water column.

12.3. Bioaccumulation/Accumulation

antimony trioxide (1309-64-4)	
Bioaccumulative potential	Antimony does not meet the criteria for bioaccumulation: a BCF for aquatic organisms of 40 and a BSAF of 1 for earthworms are derived, and are all much lower than the threshold of 2,000 l/kg. Also, there is evidence to support that antimony does not biomagnify in the food chain. Therefore, antimony is not considered bioaccumulative (B) or very bioaccumulative (vB) based on the definitive criteria.

12.4. Mobility in environmental media

antimony trioxide (1309-64-4)	
Mobility in soil	2.07 log Kp

12.6. Other adverse effects

Other information : Do not allow to enter ground water, waterways or waste water undiluted or in large quantities.

SECTION: 13. Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : The product must be destroyed following the national and local legislative provisions, by a legally approved receiver of dangerous wastes. The used packing is only meant for packing this product. After usage empty the packing completely.

Additional information : The used packing is only meant for packing this product. After usage empty the packing completely.

SECTION: 14. Transport information

14.1. Basic shipping description

No additional information available

14.2 Additional information

Other information : No supplementary information available.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION: 15. Regulatory information

15.1. US Federal regulations

antimony trioxide (1309-64-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	1 %

15.2. International regulations

CANADA

antimony trioxide (1309-64-4)	
WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

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EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Carc. 2 H351

Full text of H statements : see section 16

15.2.2. National regulations

antimony trioxide (1309-64-4)

Listed on IARC (International Agency for Research on Cancer)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

15.3. US State regulations

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U.S. - California - Proposition 65 - Carcinogens List	No
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No

antimony trioxide (1309-64-4)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	

antimony trioxide (1309-64-4)

State or local regulations

U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New York City - Right to Know Hazardous Substances List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION: 16. Other information

Data sources

: Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

Other information

: Campine NV provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Furthermore, this safety data sheet is made up based on the legal requirements as set by EC 1907/2006 (REACH). Further information received from our suppliers following the time scale as foreseen by REACH and the guidance policies as described in the REACH Implementation. Programs will be added when it becomes available.

Hazard Rating

Health

: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability

: 1 Slight Hazard

Physical

: 0 Minimal Hazard

SDS US ANSI